AMENDMENTS TO THE CLAIMS

1. (Original) A method comprising:
   specifying a first plurality of particle size reference values indicating at least one range of particle sizes; and
   obtaining first particle size data of particles within the at least one range of particle sizes based at least in part on said specified first plurality of particle size reference values.

2. (Original) The method of claim 1 wherein the method further comprises receiving the first particle size data, changing said first reference values to second reference values, and obtaining second particle size data based at least in part on said second reference values.

3. (Original) The method of claim 2, wherein said changing of said first reference values to said second reference values is performed after passage of a time period.

4. (Original) The method of claim 2, wherein said changing of said first reference values to said second reference values is performed in view of said first particle size data obtained.

5. (Original) The method of claim 2, wherein said changing of said first reference values to said second reference values is performed in view of other data.

6. (Original) The method of claim 5, wherein said other data includes one or more of indoor air quality data, outdoor air quality data, temperature, humidity, carbon monoxide, carbon dioxide, radon, other gasses and compounds, organic and inorganic compounds.

7. (Original) The method of claim 2 wherein said changing of said first reference values to said second reference values is performed in response to a human initiated event.

8. (Original) The method of claim 2, wherein said changing of said first reference values to said second reference values is initiated by programmatic means.

9. (Currently Amended) The method of claim 2, wherein said changing of said first reference values to said second reference values is performed ~~and~~ periodically.

10. (Original) The method of claim 2, wherein said second reference values specify sub-ranges of one of said first reference values.

11. (Currently Amended) A particle size data refinement apparatus comprising:

    a processing element to specify~~ing~~ a first plurality of particle size reference values indicating at least one range of particle sizes; and

    a particle sizing element to obtain~~ing~~ first particle size data of particles within the at least one range of particle sizes based at least in part on said specified first plurality of particle size reference values.

12. (Currently Amended) The apparatus of claim 11, wherein the apparatus is a system, and the particle sizing element and the processing element are situated at two geographically dispersed locations.

13. (Original) The apparatus of claim 11, wherein the apparatus is a system and the particle sizing element and the processing element are proximally located.

14. (Original) The apparatus of claim 11, wherein the processing element comprises a computer.

15. (Original) The apparatus of claim 11, wherein the processing element comprises a hand-held computing device.

16. (Original) The apparatus of claim 11, wherein the apparatus is an appliance integrally including the particle sizing element and the processing element.

17. (Currently Amended) The apparatus of claim 11, wherein the apparatus further comprises a communication channel coupling the particle sizing element ~~and~~ to the processing element.

18. (Original) The apparatus of claim 17, wherein the communication channel is a selected one of Internet, Ethernet, wireless, 802.11, power-line, RF, direct wiring or printed circuit board traces.